Console Type Series

Floor : AVXTJ✳✳

Air Conditioner

user manual

imagine the possibilities

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www.samsung.com/global/register

SAMSUNG

features of your new air conditioner

- **Slim & Smart Design**

  Extremely slim and compact design will allow this air conditioner to fit in any kind of interior space.

- **mpi**zone

  mpizone function generates hydrogen(H) and oxygen(O_2) to attack undesirable air contaminants such as bacteria, pollen, and odor. It makes you breathe better as if you were staying around waterfalls, ocean surf, rivers and mountains.

- **2Way air outlet**

  There are two separate air outlets for cooling and heating. Having warmer air coming out from the bottom part of the air outlet will spread the warm air evenly throughout the room. Stay cooler and warmer in every corner of your room.

- **Cost Efficient System**

  Your new air conditioner not only provides maximum cooling power in the summer, but can also be an efficient heating method in the winter with the advanced “Heat Pump” system. This technology is up to 300% more efficient than electrical heating, so you can further reduce its running cost. Now, meet year-round needs with one air conditioner.

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For easy future reference write the model and serial number down. You will find your model number on the right side of the air conditioner.

Model #_____
Serial #_____

safety information

To prevent electric shock, disconnect the power before servicing, cleaning, and installing the unit.

SAFETY INFORMATION

Before using your new air conditioner, please read this manual thoroughly to ensure that you know how to safely and efficiently operate the extensive features and functions of your new appliance.

Because the following operating instructions cover various models, the characteristics of your air conditioner may differ slightly from those described in this manual. If you have questions, call your nearest contact center or find help and information online at www.samsung.com.

What the icons and signs in this user manual mean:

WARNING	Risk of death or serious personal injury.
CAUTION	Potential risk of personal injury or material damage.
CAUTION	To reduce the risk of fire, explosion, electric shock, or personal injury when using your air conditioner, follow these basic safety instructions:

	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions carefully.
	Unplug the power plug from the wall socket.
	Make sure the machine is grounded to prevent electric shock.
	Call the contact center for help.
	Recommended instructions or useful information for use.

These warning signs are here to prevent injury to you and others.
Please follow them carefully.
After reading this section, keep it in a safe place for future reference.

SEVERE WARNING SIGNS

Do not cut the power plug and connect to a different power cable.
Never attempt to lengthen the power cable.
- Potential risk of fire or electric shock.

Do not yank the power cable and touch the power plug with wet hands.
- Potential risk of fire or electric shock.

Never use a damaged power plug, power cable, or loosened power receptacle.
- Potential risk of fire or electric shock.

SEVERE WARNING SIGNS

Do not place the air conditioner near hazardous substances or equipment that releases free flames to avoid fires, explosions or injuries.

- Potential risk of fire hazard or explosion.

Do not spray flammable gases such as insecticide near the air conditioner.

- Potential risk of electric shock, fire or unit malfunction.

Do not block or place items in front of the air conditioner. Do not step, hang onto, or place heavy items on the air conditioner.

- Potential risk of personal injury.

Do not insert anything such as fingers or branches into the air conditioner vents.

- Keep children away from the air conditioner. Potential risk of personal injury.

Do not install the air conditioner in areas exposed to inflammable gas leakage or potential risk of gas leakage.

- Potential risk of fire hazard or explosion.

Do not install the outdoor unit on an unstable place such as outer high wall of an apartment or building and on an outside terrace to avoid falls.

- If the outdoor unit falls, it may cause personal injury or loss of property.

Consult the place of purchase or a contact center to disassemble or reinstall the air conditioner.

- Potential risk of unit malfunction, water leakage, electric shock, or fire.

Do not connect the air conditioner with a heating apparatus or do not attempt to disassemble, remodel or repair it by yourself.

- Potential risk of malfunction, electric shock or fire. If repairs are needed, consult the contact center.

Consult the place of purchase or a contact center to install the air conditioner.

- Improper installation carries a risk of unit malfunction, water leakage, electric shock or fire.
- If installing in specialty areas, such as a factory complex or saline coastal area, consult the place of purchase or contact center for specific installation details.

Install the air conditioner with the support bracket securely fastened to use for an extended period of time.

- If the air conditioner falls, it may cause personal injury or loss of property.

Ensure the air conditioner is installed in compliance with current national safety standards.

Use a rated circuit breaker only.

- Never use steel wires or copper wires as a circuit breaker. It may cause fire or unit malfunction.

Use an exclusive power source for the air conditioner.

- Potential risk of electric shock or fire.

Do not put undue stress on the power cable or place heavy objects on it. Do not bend the power cable excessively.

- Potential risk of fire or electric shock.

If the air conditioner becomes wet, turn the power off immediately and call your nearest contact center.

- Potential risk of fire or electric shock.

Install an exclusive circuit breaker and short-circuit breaker for the air conditioner.

- Potential risk of electric shock or fire.

If the power cable or cord is damaged, the manufacturer, a qualified service technician must replace it to avoid a potential risk.

Disconnect the air conditioner from power supply before it is repaired or disassembled.

Use a receptacle that has a ground terminal. The receptacle must be used exclusively for the air conditioner.

- Improper electrical grounding may cause electric shock or fire.

Ensure proper ground has been established when installing the air conditioner. Do not connect the ground cable of the unit to a gas pipe, a water pipe or a telephone line.

- Potential risk of electric shock.

CAUTION SIGNS

Ensure no water gets into the air conditioner.

- Potential risk of fire or electric shock.

Do not install the air conditioner close to heating appliances to avoid damage.

Turn off the air conditioner using the provided remote control or control accessory (if provided). Do not unplug to turn off the unit (unless there is an immediate danger).

Do not open the front grille during operation.

- Potential risk of electric shock or unit malfunction.

Cool air should not flow directly towards people, pets, and plants.

- It is harmful to your health, pets, and plants.

Do not run the air conditioner for an extended period of time in a room with the door closed or with babies, elderly or disabled people.

- Open the door or windows to ventilate your room at least once an hour to prevent oxygen shortage.

Do not use the air conditioner as a cooling precision instrument for food, pets, plants, cosmetics or machinery.

- Potential risk of property loss.

Do not drink water from the air conditioner.

- Potential health hazard.

Do not give excessive shock to the air conditioner.

- Potential risk of fire or unit malfunction.

Do not expose the dust filter to direct sunlight while drying.

- Strong direct sunlight may deform the dust filter.

Do not spray water directly on the air conditioner or use benzene, thinner or alcohol to clean the surface of the unit.

- Potential risk of electric shock or fire.
- Potential risk of damage to the air conditioner.

CAUTION SIGNS

Do not place containers with liquid or other objects on the unit.

Do not touch the pipe connected to the air conditioner.

- Potential risk of personal injury or burn.

The air conditioner is composed of moving parts. Keep children away from the unit to avoid physical injury.

Check for damage on delivery. If damaged, do not install the air conditioner and call the place of purchase immediately.

Make sure the voltage and frequency of the electric system are compatible with the air conditioner.

Insert the dust filter before operating the air conditioner.

- If there is no dust filter inside the air conditioner, accumulated dust may shorten the life of the air conditioner and cause electricity waste.

Keep indoor temperatures stable and not extremely cold, especially where there are children, elderly or disabled people.

Clean the air conditioner after the inner fan stops operating.

- Potential risk of injury or electric shock.

Clean the dust filter every 2 weeks. Clean the filter more frequently if the air conditioner is operated in dusty areas.

Inspect the condition, electric connections, pipes and external case of the air conditioner regularly by a qualified service technician.

Do not open doors and windows in the room being cooled during operation unless necessary.

Do not block air conditioner vents. If objects block the air flow, it may cause unit malfunction or poor performance.

The packaging material and used batteries of the remote control(optional) must be disposed of in accordance with the national standards.

The refrigerant used in the air conditioner must be treated as chemical waste. Dispose the refrigerant following national standards.

Have a qualified service technician install the air conditioner and perform a trial operation.

Install the air conditioner away from direct exposure to sunlight, heating apparatus, and humid places.

- Hang curtains on windows to boost cooling efficiency and to avoid the risk of electric shock.

Firmly connect the drain hose to the air conditioner for proper water drainage.

- If it does not drain well, the condensed-water from the indoor unit may overflow and leak into the room.

Install the outdoor unit where operating noise and vibration will not disturb your neighbors and be well-ventilated with no obstacles.

- Potential risk of malfunction.
- Operating noise may disturb your neighbors.

Install using the shortest possible pipe.
- If the length of the pipe is too long, the air conditioner life can shorten and become inefficient.

If a power outage occurs while the air conditioner is working, turn off the power source immediately.

When cleaning the outdoor unit, touch the heat exchanger radiator fins with extreme care.
- Wearing thick gloves can protect your hands.

Make sure there are no obstacles under the indoor unit.
- Potential risk of fire or loss of property.

Make sure that children take precautions against access to the air conditioner and that they do not play with the unit.

The maximum input power & current and the input power & current are measured in accordance with the rules given in the IEC/ISO.

Use the wireless remote control only up to a distance of about 7m from the remote control sensor of the air conditioner.
- The air conditioner may not work over the distance of 7m.

Make sure the cover or any obstacle is not near the air conditioner. Allow sufficient space for air circulation.
- Insufficient ventilation may result in poor performance.

Batteries should be removed from the wireless remote control and kept separately when unused for a long period of time.

If failure or damage occurs from improper use or installation, extra charges may incur for reinstallation, construction and repairs.
- Potential risk of malfunction, electric shock or fire if repairs or installations are attempted by a non-qualified service technician.

Ensure the on-off and protection switches are properly installed.

Do not use the air conditioner if damaged. If problems occur, immediately stop operation and disconnect the plug from the power supply.

If the air conditioner will not be used for an extended period of time (for example, over several months), unplug the power from the wall.

Call the place of purchase or a contact center if repairs are needed.
- Potential risk of fire or electric shock if disassembly or repairs are attempted by a non-qualified service technician.

If you smell burning plastic, hear strange sounds, or see smoke coming from the unit, unplug the air conditioner immediately and call a contact center.
- Potential risk of fire or electric shock.

contents

VIEWING YOUR AIR CONDITIONER BEFORE USE 09

09 Checking the indoor unit
09 Main parts
10 Mode indicator and control button
11 Removing the front panel
11 Viewing the power button and parts under the panel
12 Checking the remote control
13 Remote control display
13 Using the remote control
13 Installing the batteries

OPERATING BASIC FUNCTION 14

14 Turning the air conditioner on and off
14 Selecting operation mode
14 Auto
15 Cool
16 Dry
17 Fan
18 Heat
19 Adjusting the air flow direction
19 Vertical air flow
19 Horizontal air flow

USING ADVANCED FUNCTION 20

20 Setting the Timer
20 On Timer
21 Off Timer
22 Combining ON and Off timer
23 Using the mpi zone function
24 Using the Silence function

CLEANING AND MAINTAINING THE AIR CONDITIONER 25

25 Cleaning the exterior
25 Cleaning the filter
25 Air filter
26 Anti-allergy filter
27 Replacing the filter
27 Deodorizing filter
28 Maintaining your air conditioner
28 Periodical checks
29 Internal protections via the unit control system

APPENDIX 30

30 Troubleshooting
31 Operation ranges

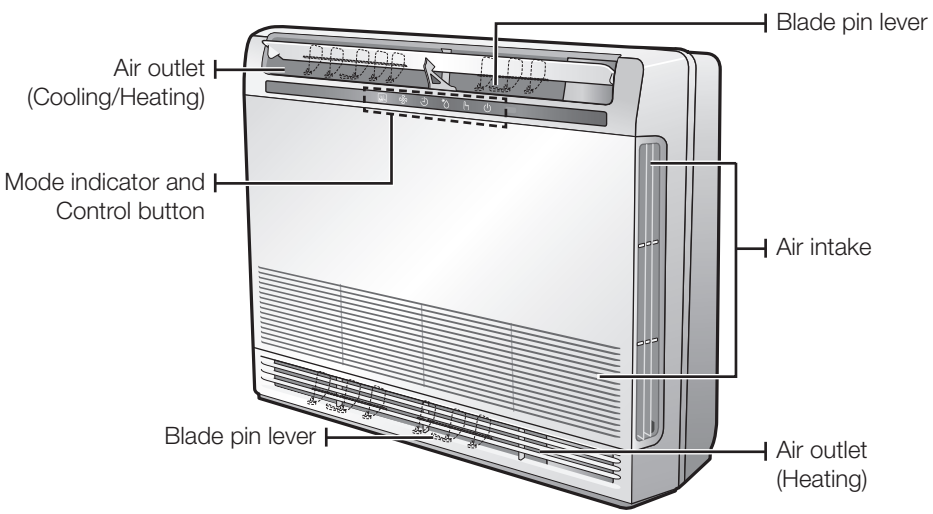
viewing your air conditioner before use

Congratulations on the purchase of the air conditioner. We hope you will enjoy the features of your air conditioner and stay cool or warm with optimal efficiency.
Please read the user manual to get started and to make the best use of the air conditioner.

CHECKING THE INDOOR UNIT

Carefully unpack your air conditioner, and check the unit to make sure it is not damaged.

Main parts



Your air conditioner may slightly look different from illustration shown above depending on your model.

Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

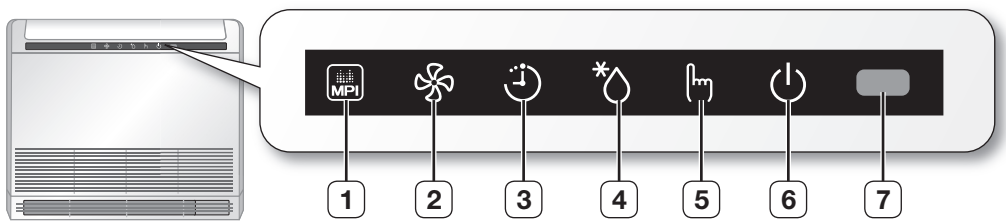
Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract.
This product should not be mixed with other commercial wastes for disposal.

viewing your air conditioner before use

CHECKING THE INDOOR UNIT

Mode indicator and Control button

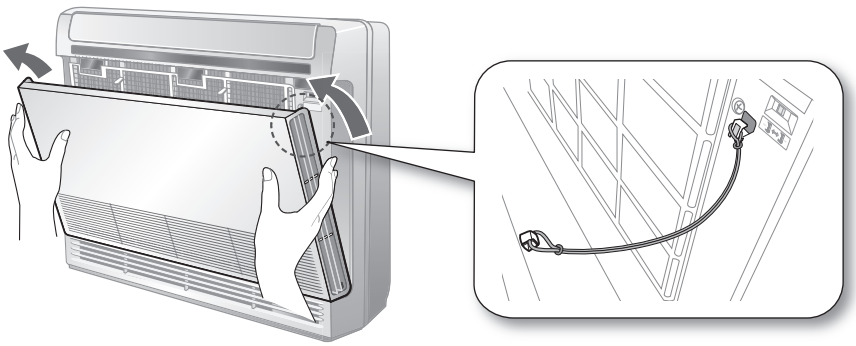


1 **mpi**zone INDICATOR	MPI	**mpi**zone icon will light up when **mpi**zone is operating.
2 FAN MODE INDICATOR		This icon will light up when the unit is operating in Fan mode.
3 TIMER INDICATOR		Timer icon will light up when On/Off Timer function is set.
4 DEICE INDICATOR		This icon will light up when the unit starts to de-ice.
5 POWER BUTTON		Turn On/Off the air conditioner. The air conditioner will operate in Auto mode.
6 POWER INDICATOR		Power icon will light up when the unit is in operation.
7 REMOTE CONTROL SENSOR		Aim the remote control toward this spot on the air conditioner.

Each time you press the button, a short beep will sound and the unit is properly operating.

REMOVING THE FRONT PANEL

Grab the top portion of the front panel and pull the front cover towards yourself. Unhook the safety string and lift up the front panel.



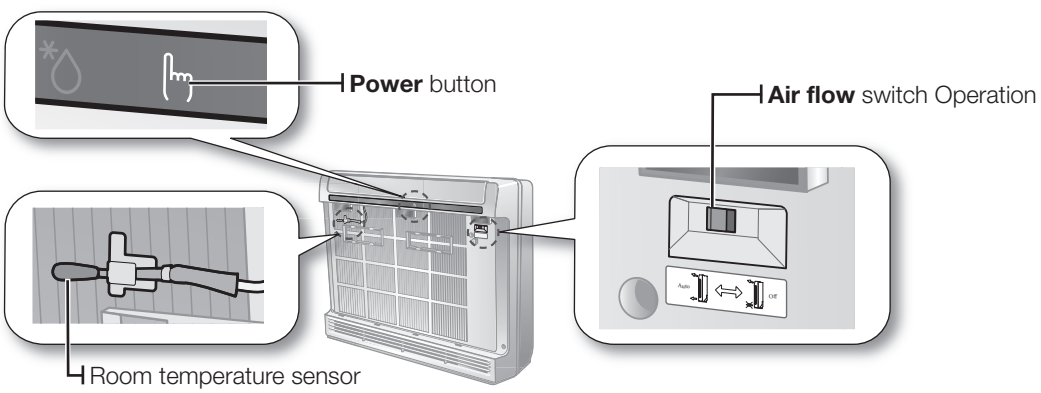
Viewing the power button and parts under the panel

You may locate the **Power** button among with the mode indicators. When the front panel is open, you may locate the temperature sensor and the **Air flow** switch. Temperature sensor is located on the top left side of the air conditioner just above the anti-allergy/deodorizing filter slot and the **Air flow** switch is located on the top right corner of the air conditioner.

You can turn on the air conditioner in Auto mode by pressing the **Power** button.

When you set the **Air flow** switch on Auto, it will open the bottom air outlet in Cool, Heat and Fan modes. However, in Silence mode, the bottom air outlet will be closed. Also, in Cool mode, the bottom air outlet will be closed within an hour. When you set the **Air flow** switch on Off, the bottom air outlet will be closed.

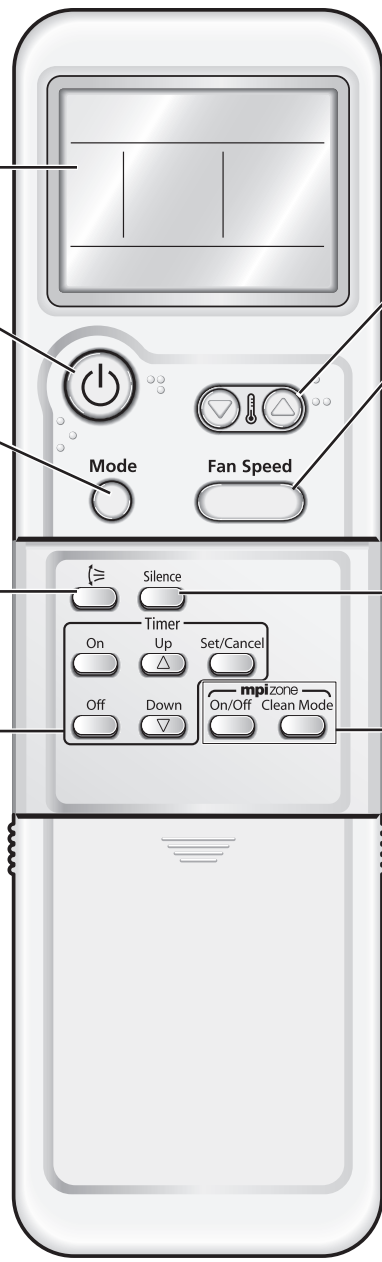
The room temperature sensor measures indoor room temperature.



viewing your air conditioner before use

CHECKING THE REMOTE CONTROL

You can activate the air conditioner by pointing the remote control away from it. When using the remote control, always point it directly at the air conditioner.



Remote control display

Power
Turn on/off the air conditioner.

Mode
Set one of the 5 operating modes. (See pages 14~18 for instructions.)

Air swing
Activate/Deactivate air flow blade movement automatically up and down.

Timer function

On/Off
Set the timer on/off.

Up/Down
Increase/Decrease the time.

Set/Cancel
Set/Cancel the current Timer.

Temperature ▼ ▲
Decrease/Increase the temperature by 1˚C.

Fan speed
Adjust how much air flows through the air conditioner with the 4 different fan speeds such as Auto/Low/Medium/High.

Silence
Activate/Deactivate the silence function to operate the air conditioner quietly.

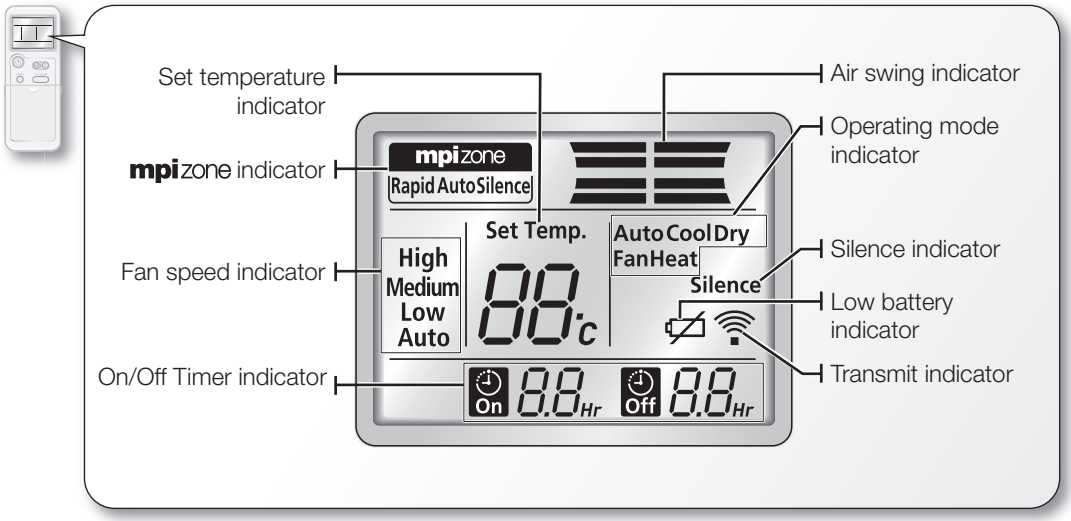
mpizone function

On/Off
Emit hydrogen(H) and oxygen(O_2) in the air to remove polluted substances such harmful particles.

Clean Mode
Set one of the 3 **mpi**zone operating types.

Each time you press the button, a short beep will sound and a transmit indicator appears on the remote control display.

Remote control display

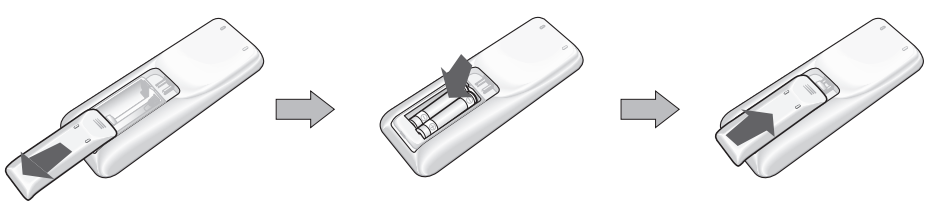


Using the remote control

- Point the remote control towards the remote control sensor of the unit.
- When properly pressing the button on the remote control, you will hear beep sound from the unit.

- The signal may not be received well of electronic lighting style fluorescent lamps, such as inverter fluorescent lamps are in the same space.
- If other electrical products operate by the remote control, call your nearest contact center.

Installing the batteries



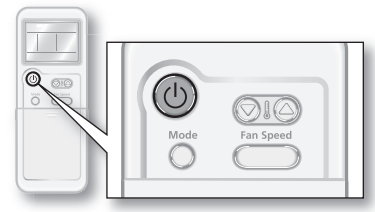
1. **Slide the cover, on the rear side of the remote control, down to open.**
2. **Install two AAA batteries.**
   Check and match the "+" and "-" signs accordingly. Make sure you have installed the batteries in correct position.
3. **Close the cover by sliding it back to its original position.**
   You should hear click sound when the cover is locked properly.

operating basic function

TURNING THE AIR CONDITIONER ON AND OFF

Press the **Power** ⏻ button on the remote control.

You will hear a ringing sound and the air flow blade will move up and down automatically when air conditioner is properly on. The air conditioner will operate in the most recent operation mode used or Auto mode.
When you turn off the air conditioner, air flow blade will stop moving and remain closed.



Turning on/off your air conditioner without the remote control.
You can operate your air conditioner by pressing the **Power** ⏻ button on the right bottom side of the air conditioner.

SELECTING OPERATION MODE

Auto

In Auto mode, the air conditioner will automatically set the temperature and fan speed depending on the room temperature detected by the room temperature sensor.

1. Turn on the air conditioner.

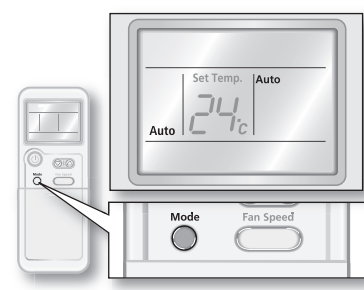
Press the **Power** ⏻ button on the remote control.

2. Set the operation mode.

Press the **Mode** button on the remote control until operation mode indicator displays Auto.

The air conditioner will automatically set the fan speed, and operation mode to Cool or Heat depends on the room temperature.

When you press the **Mode** button, mode will change in order of Auto, Cool, Dry, Fan and Heat.

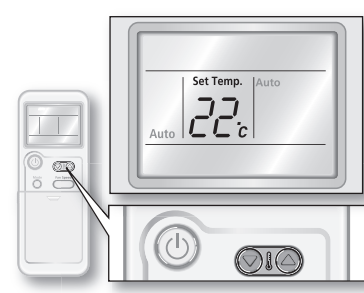


3. Set the Temperature.

Press the **Temperature** ▼ or ▲ button on the remote control to decrease or increase the desired temperature.

You can set the desired temperature between the range of 16˚C~30˚C.

You can decrease/increase the temperature by 1˚C.



- When the air conditioner is already operating in another mode, press the **Mode** button until Auto mode indicator appears on the remote control display.
- When you are using the remote control, make sure correct indicator which matches your selection appears on the remote control display.
- Air flow can be adjusted manually. (See page 19 for instructions.)

Cool

In Cool mode, the air conditioner will cool your room. You can adjust the temperature and the fan speed to feel cooler in hot season.

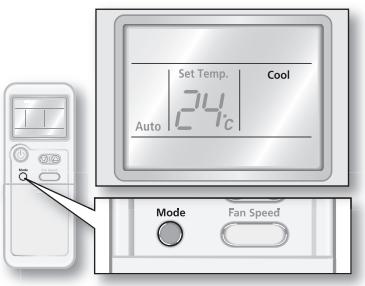
1. Turn on the air conditioner.

Press the **Power** ⏻ button on the remote control.

2. Set the operating mode.

Press the **Mode** button on the remote control until Cool mode indicator appears on the remote control display.

The air conditioner operates in Cool mode and will lower the temperature in your room.



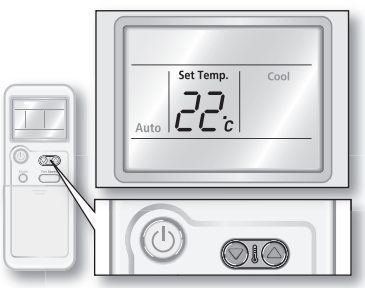
When you press the **Mode** button, mode will change in order of Auto, Cool, Dry, Fan and Heat.

---

3. Set the temperature.

Press the **Temperature** ▼ or ▲ button on the remote control to decrease or increase the desired temperature.

You can set the desired temperature between the range of 16˚C~30˚C.



You can decrease/increase the temperature by 1˚C.

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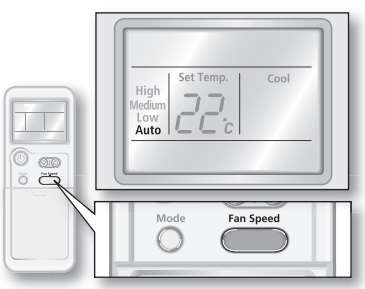
4. Set the fan speed.

Press the **Fan Speed** button on the remote control to set the desired fan speed.

If room temperature reaches desired value, the air conditioner will shut off cooling for a while and just the fan runs.



When you press the **Fan Speed** button, fan speed will change in order of Auto, Low, Medium and High.

- When you are using the remote control, make sure correct indicator which matches your selection appears on the remote control display.
- Air flow can be adjusted manually. (See page 19 for instructions.)
- If current outside temperatures are much higher than the selected indoor temperature, it may take time to bring the inner temperature to the desired coolness.

SELECTING OPERATION MODE

Dry

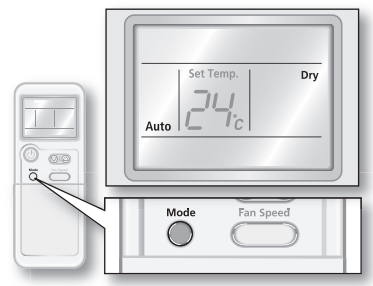
The air conditioner in Dry mode acts like a dehumidifier by removing moisture from the indoor air. Dry mode makes the air feel refreshing in a humid climate.

1. Turn on the air conditioner.

Press the **Power** ⏻ button on the remote control.

2. Set the operating mode.

Press the **Mode** button on the remote control until Dry mode indicator appears on the remote control display. The air conditioner operates in Dry mode and automatically adjusts the fan speed to Auto.

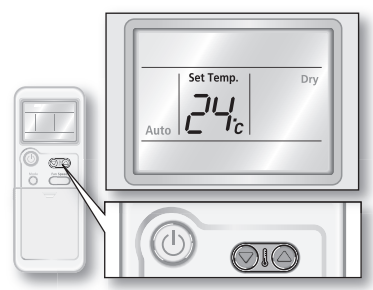


When you press the **Mode** button, mode will change in order of Auto, Cool, Dry, Fan and Heat.

3. Set the temperature.

Press the **Temperature** ▼ or ▲ button on the remote control to decrease or increase the desired temperature.

You can set the desired temperature between the range of 18℃~30℃.



You can decrease/increase the temperature by 1℃.

- When you are using the remote control, make sure correct indicator which matches your selection appears on the remote control display.
- Air flow can be adjusted manually. (See page 19 for instructions.)

Fan

Fan mode can be selected to ventilate your room. Fan mode will be helpful to refresh the stale air in your room.

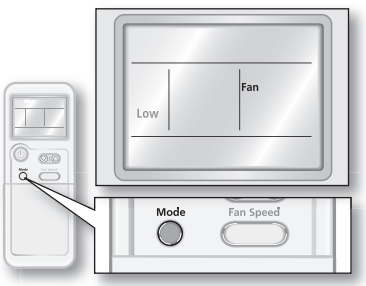
1. Turn on the air conditioner.

Press the **Power** ⏻ button on the remote control.

2. Set the operating mode.

Press the **Mode** button on the remote control until Fan mode indicator appears on the remote control display.

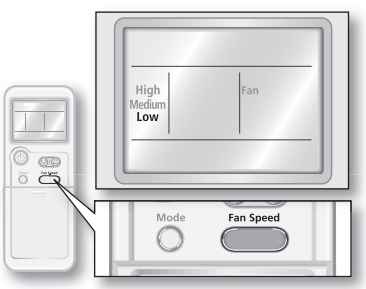
The air conditioner operates in Fan mode.



When you press the **Mode** button, mode will change in order of Auto, Cool, Dry, Fan and Heat.

3. Set the fan speed.

Press the **Fan Speed** button on the remote control to set the desired fan speed.



When you press the **Fan Speed** button, fan speed will change in order of Low, Medium and High.

- When you are using the remote control, make sure correct indicator which matches your selection appears on the remote control display.
- Air flow can be adjusted manually. (See page 19 for instructions.)

SELECTING OPERATION MODE

Heat

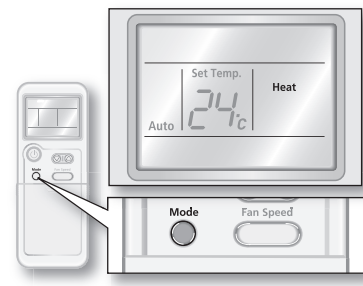
The air conditioner heats as well as cools. Warm your room with this versatile appliance in the cold of winter.

1. Turn on the air conditioner.

Press the **Power** ⏻ button on the remote control.

2. Set the operating mode.

Press the **Mode** button on the remote control until Heat mode indicator appears on the remote control display. The air conditioner operates in Heat mode and warms your room.

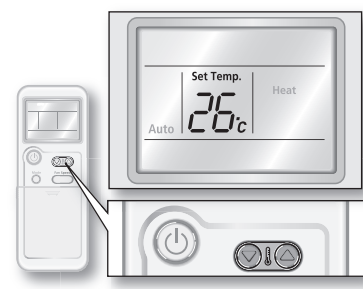


When you press the **Mode** button, mode will change in order of Auto, Cool, Dry, Fan and Heat.

3. Set the temperature.

Press the **Temperature** ▼ or ▲ button on the remote control to decrease or increase the desired temperature.

You can set the desired temperature between the range of 16℃~30℃.

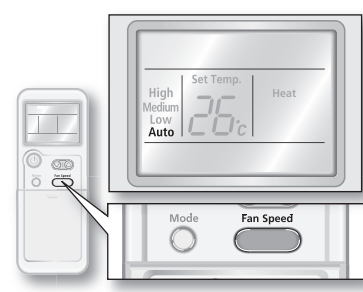


You can decrease/increase the temperature by 1℃.

4. Set the fan speed.

Press the **Fan Speed** button on the remote control to set the desired fan speed.

If room temperature reaches desired value, heating will stop for a while.



- When you press the **Fan Speed** button, fan speed will change in order of Auto, Low, Medium and High.
- Fan may not operate for about 3~5 minutes at the beginning to prevent any cold blasts while the air conditioner is warming up.

- Air flow can be adjusted manually. (See page 19 for instructions.)
- Since the air conditioner heats the room by taking heat energy from outdoor air, the heating capacity may decrease when outdoor temperatures are extremely low. If you feel the air conditioner insufficiently heats, using an additional heating appliance in combination with the air conditioner is recommended.

ADJUSTING THE AIR FLOW DIRECTION

Air flow can be directed to your desired position.

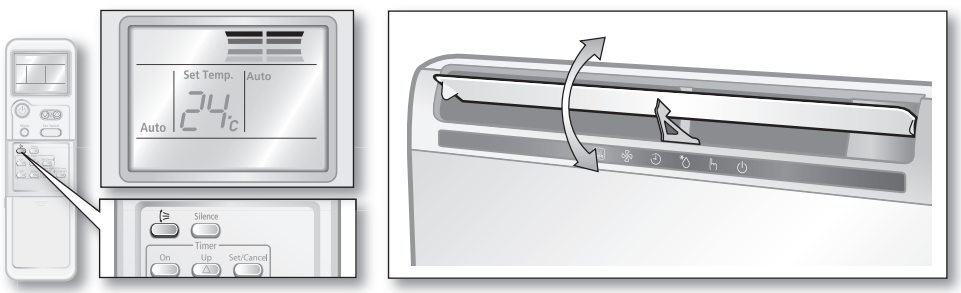
Vertical air flow

Air flow blades move up and down.

1. Press the **Air swing** button on the remote control.

   Air swing indicator will be on and the number of indicator lights move up and down. Air flow blades move up and down continuously to circulate the air.

   To keep the air flow direction in a constant position, press the **Air swing** button on the remote control again.

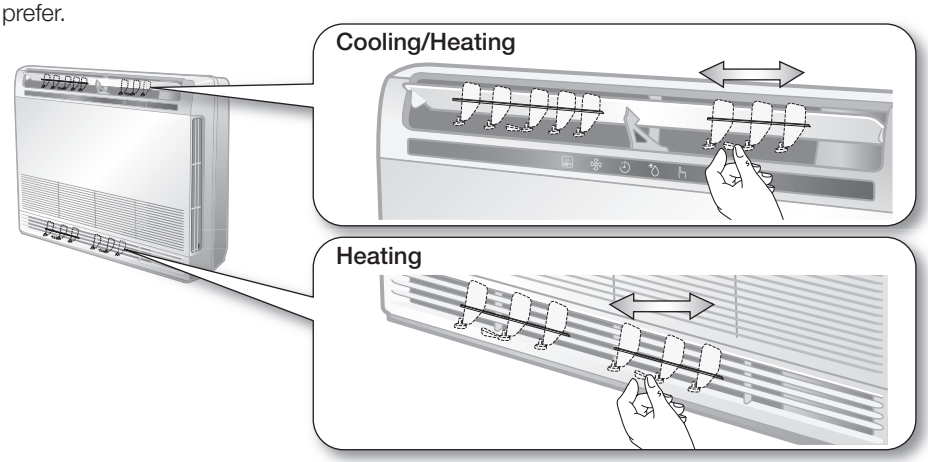


Vertical air flow direction is adjustable when the air conditioner is cooling the room.

Horizontal air flow

Make sure one of the blade pins that stick out of the air flow blades is not broken.

1. Move the blade pins left or right to keep the air flow direction in a constant position you prefer.



To avoid any injuries, please move the blade pin after stopping Air Swing mode.

CAUTION While the air conditioner cools the room, operate the appliance with the air flow blades pointing upwards. If the unit operates in Cool mode for an extended period of time with the air flow blades pointing downward, moisture may generate from the temperature difference and thus carries the risk of electric shock or unit malfunction.

SETTING THE TIMER

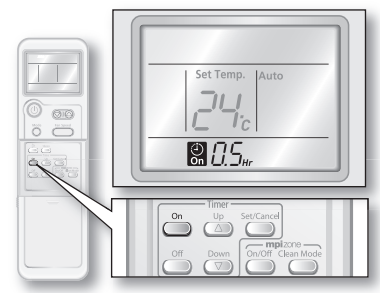
This advanced Timer function allows you to turn on/off your air conditioner automatically even when you are away. Simply set the time and your air conditioner will turn on/off automatically.

On timer

This function allows you to turn on the air conditioner automatically within the time range of 24 hours. On timer is available while your air conditioner is on/off.

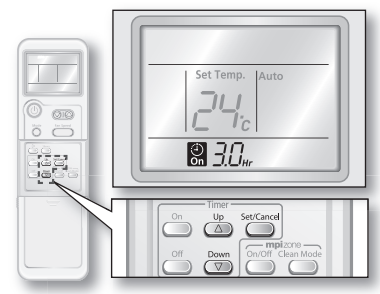
1. Press the **On** button on the remote control.

On timer indicator blinks on the remote control display.



2. Set the time you want the air conditioner to turn on automatically.

Press the **Up** or **Down** button on the remote control to change the time setting while On timer indicator is blinking. You can set the time up to 24 hours, increasing in 30 minute unit up to first 3 hours and in hourly unit after first 3 hours.



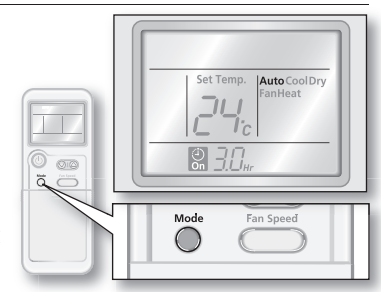
3. Press the **Set/Cancel** button on the remote control to active it on.

The remote control display will show the hour(s) you have set.
The air conditioner will operate automatically at set time and then On timer indicator disappears. If On timer is not set within 10 seconds, the air conditioner will end setting.

4. Set the operating mode.

Press the **Mode** button on the remote control until the desired mode appears on the remote control display.

The air conditioner will operate in the mode you set.



On timer function is available in Auto/Cool/Dry/Fan/Heat mode.

- Temperature can also be adjusted. (See step 3 on page 15 for instructions.)
- After the set up while the unit is off, approximately after 10 seconds, all the other indicators will be gone except the On timer indicator and remaining time.
- Setting time allows you to change by pressing the **On** button. Press the **Up** or **Down** button to change time setting and then press the **Set/Cancel** button to active it on.

To deactivate the On timer

1. Press the **Set/Cancel** button on the remote control.

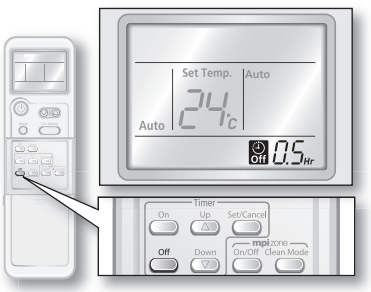
   On timer you set will be canceled and On timer indicator will disappear.

Off timer

This function allows you to turn off the air conditioner automatically within the time range of 24 hours. Off timer is functional when the unit is operating.

1. Press the **Off** button on the remote control.

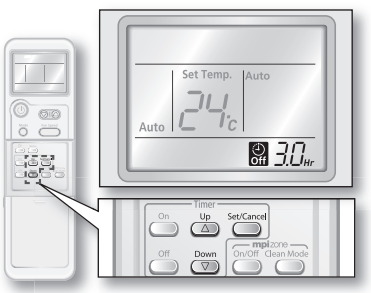
   Off timer indicator blinks on the remote control display.



2. Set the time you want the air conditioner to turn off automatically.

   Press the **Up** or **Down** button on the remote control to change the time setting while Off timer indicator is blinking. You can set the time up to 24 hours, increasing in 30 minute unit up to first 3 hours and in hourly unit after first 3 hours.

3. Press the **Set/Cancel** button on the remote control to active it on.



   The remote control display will show the hour(s) you have set.
   The air conditioner will operate automatically at set time and then Off timer indicator disappears. If Off timer is not set within 10 seconds, the air conditioner will end setting.

- Setting time allows you to change by pressing the **Off** button. Press the **Up** or **Down** button to change time setting and then press the **Set/Cancel** button to active it on.
- You can combine Off timer function with On timer function to turn on and then off the air conditioner at the desired time. (See page 23 for instructions.)

To deactivate the Off timer

1. Press the **Set/Cancel** button on the remote control.

   Off timer you set will be canceled and Off timer indicator will disappear.

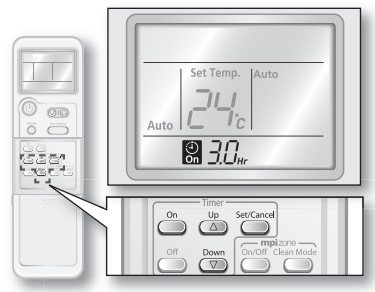
Off timer function is available in Auto/Cool/Dry/Fan/Heat mode.

SETTING THE TIMER

Combining On timer and Off timer

You can combine the On timer and Off timer together for more convenient use of the timer function.

1. Set the On timer.
Press the **On** button.
Set the time with **Up** and **Down** button.
Press **Set/Cancel** button to activate the On timer.



See page 21 for more detail instructions on setting On timer.

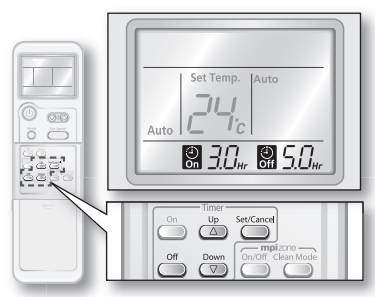
2. Set the Off timer.
Press the **Off** button.
Set the time with **Up** and **Down** button.
Press **Set/Cancel** button to activate the Off timer.

When you set the time, there can be two possible options:

On timer is shorter than Off timer

The air conditioner will turn on and then off automatically. Set up should be done while the air conditioner is off.

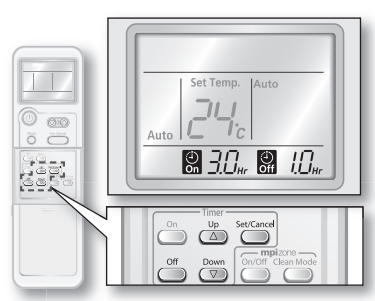
For example, If the On timer is set at 3 hours and the Off timer at 5 hours, the air conditioner will turn off automatically 3 hours after the set time and then operate for next 2 hours before turning off automatically.



On timer is longer than Off timer

The air conditioner will turn off and then on automatically. Set up should be done while the air conditioner is operating.

For example, If the On timer is set at 3 hours and the Off timer at 1 hour, the air conditioner will turn off automatically an hour after the set time and remain off for 2 hours before turning on automatically.



See page 22 for more detail instructions on setting Off timer.

To deactivate the timer combination

1. Press the **Set/Cancel** button on the remote control.

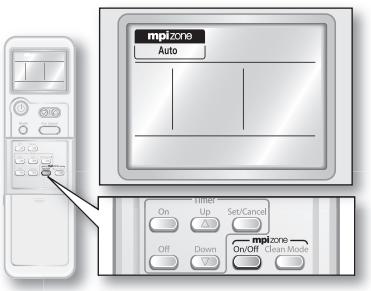
Both of the On and Off timer will be canceled and the indicators will disappear.

USING THE **mpi**zone FUNCTION

MPI, Micro Plasma Ion, zone generates hydrogen (H) and oxygen (O_2) to remove a polluted substance and decomposition of such harmful particles. It makes you breathe better as if you were staying around waterfalls, ocean surf, rivers and mountains. **mpi**zone indicator on the indoor unit will turn on when the **mpi**zone function is activated.

1. Press the **mpi**zone **On/Off** button on the remote control while the air conditioner off.
mpizone indicator will appear on the remote control display.

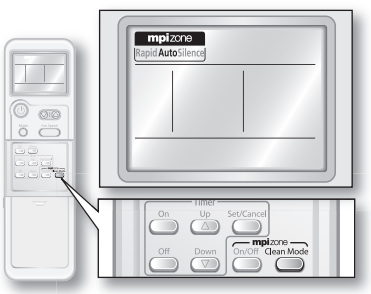
The air conditioner generates MPI in **mpi**zone Auto mode.



2. Set the operating type.

Each time you press the **Clean Mode** button while the air conditioner is off, the operating type will change in order of Auto, Silence and Rapid.

Auto : adjust the fan speed automatically.
Silence : operate at a minimum fan speed quietly.
Rapid : operate at a maximum fan speed to clean and purifies the air effectively and quickly.



The **Clean Mode** button will not work while the air conditioner is on.

When you activate the **mpi**zone function while the air conditioner is on, **mpi**zone function automatically sets to Auto.

To deactivate **mpi**zone mode

1. Press the **mpi**zone **On/Off** button on the remote control.

mpizone mode you set will be canceled and the **mpi**zone icon will turn off.

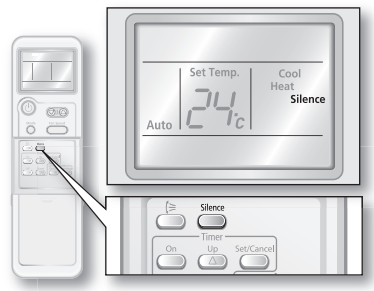
ENGLISH

USING THE SILENCE FUNCTION

This function will help you operate your air conditioner quietly while operating in Cool/Heat mode.

1. Press the **Silence** button on the remote control while the air conditioner is operating in Cool/Heat mode.

   Silence indicator appears on the remote control display. The air conditioner will operate more quietly.



- Silence function is only available in Cool/Heat mode.
- When the Silence function is activated, pressing **Mode** button will automatically cancel the function.
- When the Silence function is activated, temperature can be adjusted and the fan speed will automatically set to Auto.

To deactivate Silence function

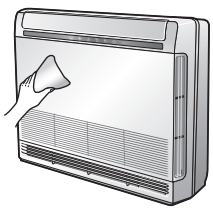
1. Press the **Silence** button on the remote control.

   Silence function you set will be canceled and Silence indicator will disappear on the remote control display.

cleaning and maintaining the air conditioner

CLEANING THE EXTERIOR

1. Wipe the surface of the unit with a slightly wet or dry cloth when needed.



CAUTION Do not use Benzene, Thinner or Clorox™.
They may damage the surface of the air cleaner and can create a risk of fire.

CLEANING THE FILTER

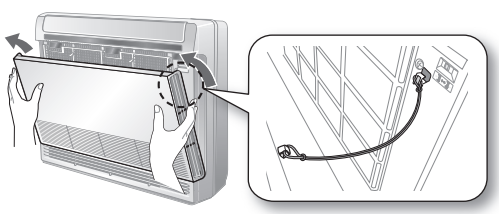
When cleaning the filter, make sure to unplug the power from the unit. No special tools are needed to clean it.

Air filter

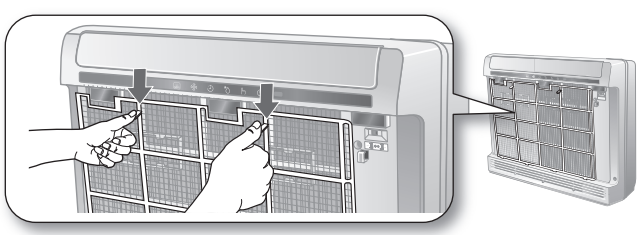
Washable air filter captures large particles from the air. The filter is cleaned with a vacuum or by hand washing. Filter clean indicator will light up when air filter need to be cleaned.

1. Open the front panel.

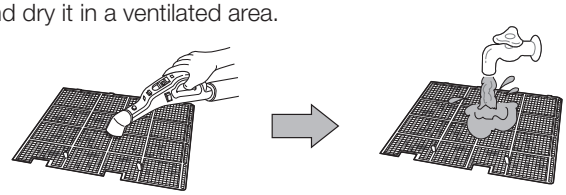
   Grab the top portion of the front panel and pull the front cover towards yourself. Unhook the safety string and lift up the front panel.



2. Grab the handle and slightly press the air filter down to bent the air filter. Then, pull the Air filter towards you and lift it up to remove the Air filter.



3. Clean the Air filter with a vacuum cleaner or soft brush. If dust is too heavy, then rinse it with running water and dry it in a ventilated area.



- For the best conditions, repeat every two weeks.
- If the Air filter dries in a confined (or humid) area, odors may generate. If it occurs, re-clean and dry it in a well-ventilated area.

4. Insert the Air filter back in its original position.
5. Close the front panel.
   Grab the side of the front panel and place the bottom first, then push the panel.
6. Press the **Filter Reset** button on the remote control.

cleaning and maintaining the air conditioner

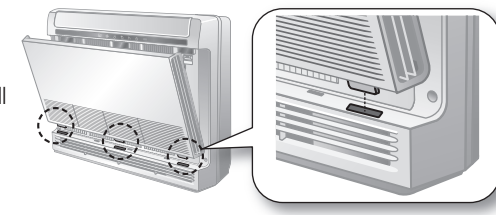
CLEANING THE FILTER

Anti-allergy filter

Washable Anti-allergy filter leads to reduction in allergens that thrive in polluted air. The filter is cleaned with a vacuum or by hand washing.

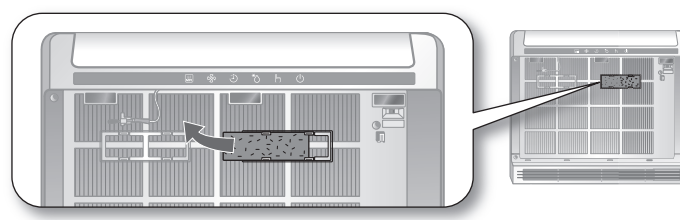
1. Open the front panel.

Grab the top portion of the front panel and pull the front cover towards yourself. Unhook the safety string and lift up the front panel.

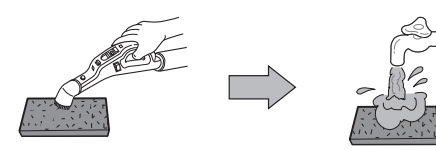


2. Grab the handle and slightly press the air filter down to bent the air filter. Then, pull the Air filter towards you and lift it up to remove the Air filter.

3. Pull and slide out the Anti-allergy filter.



4. Clean the Anti-allergy filter with a vacuum cleaner or soft brush. Then rinse it with running water and dry it in a ventilated area.



5. Install the Anti-allergy filter back in position.

6. Close the front panel.

Grab the side of the front panel and place the bottom first, then push the panel.

Clean the Anti-allergy filter every 3 months. The cleaning term may differ on usage and environmental conditions.

REPLACING THE FILTER

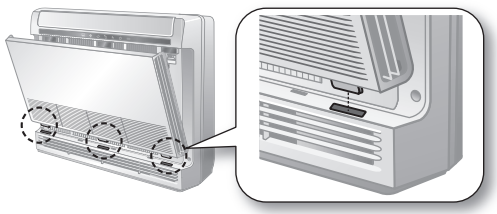
Replacement filter may be purchased from the retail store or ordered from the dealer where you purchased the unit. If you cannot find one, please call a contact center.

Deodorizing filter

Deodorizing filter absorbs efficiently cigarette smoke, pet odors and other unpleasant smells. Deodorizing filter cleaning is simple, just remove old filter and install a new one.

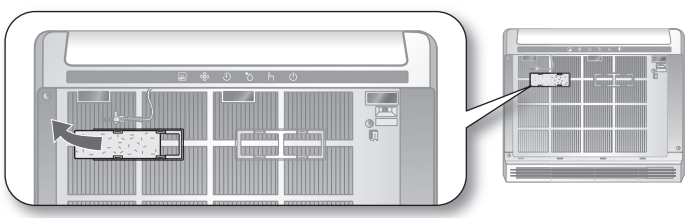
1. Open the front panel.

Grab the top portion of the front panel and pull the front cover towards yourself. Unhook the safety string and lift up the front panel.



2. Grab the handle and slightly press the air filter down to bent the air filter. Then, pull the Air filter towards you and lift it up to remove the Air filter.

3. Pull and slide out the Deodorizing filter.



4. Install the new Deodorizing filter back in position.

5. Close the front panel.

Grab the side of the front panel and place the bottom first, then push the panel.

- The replacement timing of the Deodorizing filter differs depending on usage and environmental conditions.
- Even if Deodorizing and Anti-allergy filters are installed in an inverted position it will not significantly affect its filtration system.

ENGLISH

cleaning and maintaining the air conditioner

MAINTAINING YOUR AIR CONDITIONER

If the air conditioner will not be used for an extended period of time, dry the air conditioner to maintain it in best condition.

1. Dry the air conditioner thoroughly by operating in Fan mode for 3 to 4 hours and disconnect the power plug. There may be internal damage if moisture is left in components.
2. Before using the air conditioner again, dry the inner components of the air conditioner again by running in Fan mode for 3 to 4 hours. This helps remove odors which may have generated from dampness.

Periodical checks

Refer to the following chart to maintain the air conditioner properly.

Type	Description	Monthly	Every 4 months	Once a year
Indoor unit	Clean the air filter (1)	●		
	Clean the condensate drain pan (2)			●
	Thoroughly clean the heat exchanger (2)			●
	Clean the condensate drain pipe (2)		●	
	Replace the remote control batteries (1)			●
Outdoor unit	Clean the heat exchanger on the outside of the unit (2)		●	
	Clean the heat exchanger on the inside of the unit (2)			●
	Clean the electric components with jets of air (2)			●
	Verify that all the electric components are firmly tightened (2)			●
	Clean the fan (2)			●
	Verify that all the fan assembly is firmly tightened (2)			●
	Clean the condensate drain pan (2)			●

The checks and maintenance operations described are essential to guarantee the efficiency of the air conditioner. The frequency of these operations varies according to the characteristics of the area, the amount of dust, etc.

(1) The described operations should be performed more frequently if the area of installation is very dusty.

(2) These operations must always be performed by qualified personnel. For more detailed information, see the Installation Manual.

Internal protections via the unit control system

This internal protection operates if an internal fault occurs in the air conditioner.

Type	Description
Against cold air	The internal fan will be off to against cold air when the heat pump is heating.
De-ice cycle	The internal fan will be off to against cold air when the heat pump is heating.
Anti-protection of internal battery	The compressor will be off to protect internal battery when the air conditioner operates in Cool mode.
Protect compressor	The air conditioner does not start operating immediately to protect the compressor of the outdoor unit after it has been started.

If the heat pump is operating in Heat mode, De-ice cycle is actuated to remove frost from an outdoor unit that may have deposited at low temperatures.

The internal fan is switched off automatically and restarted only after the de-ice cycle is completed.

TROUBLESHOOTING

Refer to the following chart if the air conditioner operates abnormally. This may save time and unnecessary expenses.

PROBLEM	SOLUTION
The air conditioner does not operate immediately after it has been restarted.	• Because of the protective mechanism, the appliance does not start operating immediately to keep the unit from overloading. The air conditioner will start in 3 minutes.
The air conditioner does not work at all.	• Check that the power plug is properly connected. Insert the power plug into the wall socket correctly. • Check if the circuit breaker is switched off. • Check if there is a power failure. • Check your fuse. Make sure it is not blown out.
The temperature does not change.	• Check if you selected Fan mode. Press the **Mode** button on the remote control to select another mode.
The cool(warm) air does not come out of the air conditioner.	• Check if the set temperature is higher (lower) than the current temperature. Press the **Temperature** button on the remote control to change the set temperature. Press the **Temperature** ▼ or ▲ button to increase or decrease the temperature. • Check if the air filter is blocked by dirt. Clean the Air filter every two weeks. • Check if the air conditioner has just been turned on. If so, wait 3 minutes.
The fan speed does not change.	• Check if you selected Auto or Dry mode. The air conditioner automatically adjusts the fan speed to Auto in Auto/Dry mode.
Timer function does not set.	• Check if you press the **Set/Cancel** button on the remote control after you have set the time.
Odors permeate in the room during operation.	• Check if the appliance is running in a smoky area or if there is a smell entering from outside. Operate the air conditioner in Fan mode or open the windows to air out the room.
The air conditioner makes a bubbling sound.	• A bubbling sound may be heard when the refrigerant is circulating through the compressor. Let the air conditioner operate in a selected mode.
Water is dripping from the air flow blades.	• Check if the air conditioner has been cooling for an extended period of time with the air flow blades pointed downwards. Condensation may generate due to the difference in temperature.
Remote control is not working.	• Check if your batteries are depleted. • Make sure batteries are correctly installed. • Make sure nothing is blocking your remote control sensor. • Check that there are strong lighting apparatus near the air conditioner. Strong light which comes from fluorescent bulbs or neon signs may interrupt the electric waves.

OPERATION RANGES

The table below indicates the temperature and humidity ranges the air conditioner can be operated within. Refer to the table for efficient use.

MODE	OPERATIONAL TEMPERATURE		INDOOR HUMIDITY	IF OUT OF CONDITIONS
	INDOOR	OUTDOOR		
COOLING	18˚C to 32˚C	-5˚C to 43˚	80% or less	Condensation may occur on the indoor unit with risk to have either water blow off or drops on the floor.
HEATING	27˚C or less	-20˚C to 24˚C	-	Internal protection triggers and the air conditioner will stop.
DRYING	18˚C to 32˚C	-5˚C to 43˚C	-	Condensation may occur on the indoor unit with risk to have either water blow off or drops on the floor.

The standardized temperature for heating is 7˚C. If the outdoor temperature drops to 0˚C or below, the heating capacity can be reduced depending on the temperature condition.
If the cooling operation is used at over 32˚C(indoor temperature), it does not cool at its full capacity.

QUESTIONS OR COMMENTS?

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